

App. No. 10/070289  
Office Action Dated March 10, 2004  
Amd. Dated July 12, 2004

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listing of claims in the application.

Claims 1, 6-8, 13 and 14 are amended.

**Listing of Claims:**

1. (Currently Amended) A mammary prosthesis made of polyacrylamide hydrogel, comprising shell [[2]] which is made of silicon, and polyacrylamide hydrogel [[4]] filled in said shell [[2]], said polyacrylamide hydrogel [[4]] being prepared by adding 2.5-7grams of polyacrylamide dry powder into every 100ml water, said polyacrylamide hydrogel dry power being made in such way that the weight percentage of 2.5 - 8% acylamide, 0.001 - 3.0% cross-linking agent, 0.001 - 4.00% catalyst, 0.001 - 2.00% accelerator, 0.001 - 2.00% facilitator are added into distilled water to be 100% to be polymerized, then be washed, soaked, centrifugal dehydrated and dried.
2. (Original) A mammary prosthesis as claimed in claim 1 wherein said cross-linking agent is N, N' -methylenebisacrylamide and its homologous compound, or N, N' -diallyltartratediamide.
3. (Original) A mammary prosthesis as claimed in claim 2 wherein said catalyst is ammonium persulfate or kalium persulfate.
4. (Original) A mammary prosthesis as claimed in claim 3 wherein said accelerator is sodium bisulphate or sodium metasulphite.

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5. (Original) A mammary prosthesis as claimed in claim 4 wherein said facilitators comprise triethanolamide, triethylamine or their N, N' ethylenediamine substances which contains substituting groups.
6. (Currently Amended) A mammary prosthesis as claimed in claim 6 wherein said shell [[2]] has a round curved surface.
7. (Currently Amended) A mammary prosthesis made of polyacrylamide hydrogel wherein it comprises a shell [[2]] that is made of silicon and has a non-return valve [[1]], and said shell [[2]] is filled with dry powder [[3]] of polyacrylamide hydrogel whose weight is proportional to the volume (ml) of said shell [[2]]; wherein ~~each 100ml volumes of said shell 2 could filled with~~ 2.5-7 grams of said dry powder [[3]] of polyacrylamide hydrogel is added to every 100ml volume of said shell, and said dry powder [[3]] is made in such way that the weight percentage of 2.5 - 8% acylamide, 0.001 - 3.0% cross-linking agent, 0.001 - 4.00% catalyst, 0.001 - 2.00% accelerator, 0.001 - 2.00% facilitator are added into distilled water to be 100% polymerized, then washed, soaked, centrifugal dehydrated and dried.
8. (Currently Amended) A mammary prosthesis as claimed in claim 7 wherein ~~each 100ml volumes of said shell 2 could be filled with~~ 4 grams of said dry powder [[3]] is added to every 100ml volume of said shell.

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9. (Original) A mammary prosthesis as claimed in claim 8 wherein said cross-linking agent is N, N' -methylenebisacrylamide and its homologous compound, or N, N' -diallyltartratediamide.

10. (Original) A mammary prosthesis as claimed in claim 9 wherein said catalyst is ammonium persulfate or kalium persulfate.

11. (Original) A mammary prosthesis as claimed in claim 10 wherein said accelerator is sodium bisulphate or sodium metasulphite.

12. (Original) A mammary prosthesis as claimed in claim 11 wherein said facilitators comprise triethanolamide, triethylamine or their N, N' ethylenediamine substances which contains substituting groups.

13. (Currently Amended) A mammary prosthesis as claimed in claim 7 wherein said shell [[2]] has a round curved surface.

14. (Currently Amended) A mammary prosthesis as claimed in claim 7 wherein said non-return valve is located in the center of one face of said shell [[2]].